

Examination 3 Copy

AN 124:275964 HCA
TI Highly mechanically strong and electrically conductive copper-tin
-**phosphorus**-based alloy
IN Hatano, Takatsugu
PA Nippon Mining Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 07331363	A2	19951219	JP 1994-120359	19940601
AB	The alloy contains Sn 0.8-4, P 0.01-0.4, Ni 0.05-1, Zn 0.01-3, S .ltoreq.0.0010 wt.%, and balance Cu , optionally contg. 0.001-1 wt.% .gtoreq.1 element selected from Ti, Zr, Cr, Mg, Mn, Fe , Co, Al, Be, Si, and B. The alloy shows av. crystal grain size .ltoreq.15 .mu.m after final recrystn. and annealing. The alloy is useful for elec. conductive springs. The alloy showed high mech. strength and good corrosion and heat resistance.				